

EXCERPTA MEDICA Sec.2 Vol.10/6 Phy.Biochem. June 57

- 2593 PRÁT V. Úst. pro Choróby Oběhu Krevního, Praha. "Separovaná clearance. III. Ovlivnění ledvinné hemodynamiky a funkce u člověka náplní močového měchýře. Separate clearances. III. Effect of bladder filling on renal haemodynamics and function in man ČSL. FYSIOL. 1956, 5/4 (423-432) Graphs 5 Tables 3
Changes in renal function due to filling the bladder were studied in 28 subjects. It was found that this resulted in decreased urine flow together with changes in tubular reabsorption and renal haemodynamics. Na excretion was decreased and Cl excretion increased.
Hahn - Prague

PRAT, V.; Technicka asistence: V. Horacek, A. Jancarikova, E. Kotanova,
D. Rosicka

Filtration clearance. III. Effect of filling of the bladder on renal
hemodynamics and function. Cesk. fysiol. 5 no.4:428-432 1956.

1. Ustav pro Choroby obehu Krevniho v Praze.

(BLADDER, physiology,

eff. of filling on kidney funct. & hemodynamics (Cz))

(KIDNEYS, physiology,

eff. of filling of bladder on renal funct. & hemodynamics

(Cz))

PRAT, Vladimir

Oddelene funkci vysetreni ledvin. Methodika a klinicke pouziti. (Independent Functional Investigation of Kidneys; Method and Clinical Application. English and Russian summaries. illus., bibl.) Authors: Vladimir Prat, Svatopluk Kocvara, Introduction by Jan Brod and Josef Sajner. Prague, SZdN, 1957. 126 p. Vol. 364 of the series Thomayerova sbirka prednasek a rozprav z oboru lekarskeho (Thomayer's Collection of Lectures and Discussions on Medicine).

The independent functional investigation of kidneys is an important part of the clinical investigation of the internal and urological diseases of kidneys and urinary tract. The authors present results of their research concerning the effect of some urological investigation methods on the kidney disease; they evaluate on the basis of 98 cases, the method of the independent investigation of the glomerular function by determining the concentration indices of the endogenous creatinine or inulin; they describe their own experiences with the application of some methods the independent clearance investigation, and, finally, they deal with the problem of the application of the independent investigation of kidneys in the clinical practice.

Bibliograficky katalog, CSR, Ceske knihy, No. 34. 1 Oct 57. p. 739.

MATERIA MEDICA Sec. 6 Vol. 11/10 Oct. 57
PRÁT V.

6404. DEJDAR R., PRÁT V., and TROUSILA V. Ústav pro Chor. Oběhu Krevního, Praha-Krč. "Röentgenový obraz ledvin a močových cest při chronické pyelonefritidě. X-ray picture of the kidneys and urinary tract in a chronic pyelonephritis" VNITŘ. LÉK. 1957, 3/1 (32-43)
Graphs 1 Tables 4 Illus. 6

Chronic pyelonephritis has certain characteristic morphological and functional features which may be observed during urography and pyelography. A detailed scheme of investigation indicates that a large number of factors must be combined in the evaluation of such cases, and in diagnosis. The following criteria are used: (1) The earliest characteristic changes appear in the rounding off of the fornices with some deformation and flattening of the papillae. Terminally, the papillae may disappear altogether. (2) Later changes may be dilatation of one calyx or of the whole pelvic compartment, delayed evacuation, hypodynamic contractions of the fornix, often with demonstrable lesions in the fornix, accompanied in most cases by a decreased concentrating ability. (3) In later stages of the disease, the renal shadow may enlarge with an infiltrative process, or contract from its former size with a retractive or scarring process. (4) Unequal pathological findings in the X-ray picture, particularly in the upper urinary tract, is a valuable diagnostic aid. It has been stressed that X-ray examination is a very necessary tool for early diagnosis of pyelonephritis, and prevention of the serious later stages.

PRAT, V.; KOVARA, S.

Separate clearance. IV. Modification of renal function during unilateral sounding of the ureter with obturation catheter. Cesk. fysiol. 6 no.3: 428-434 Aug 57.

1. Ustav pro choroby obehu krevniho, Ustav pro klinickou a experimentalni chirurgii, Praha Technicka spoluprace: E. Capkova, V. Horacek, D. Petrzelkova.

(KIDNEY FUNCTION TESTS,
clearance test during unilateral obturator-catheterization
of ureter (Cz))

PRAT, Vladimir; KOCVARA, Svatopluk

Determination of separated renal clearance with thick ureteral catheters with multiple openings. Separated clearance. V. Cas. lek. cesk. 96 no.17:520-524 26 Apr 57.

1. Ustav pro klinickou a experimentalni chirurgii v Praze.
(KIDNEY FUNCTION TESTS,
separated clearance determ. with ureteral catheters with
multiple openings (Cz))
(CATHERETERIZATION,
ureteral catheters with multiple openings in determ. of
separate renal clearance (Cz))

EXCERPTA MEDICA Soc.6 Vol.12/4 Internal Med. April 53

2290. SEPARATE CLEARANCE EXAMINATION OF THE KIDNEYS USING THE METHOD OF UNILATERAL OBTURATION OF A URETER. VI - Oddelené clearancové vyšetření ledvin metodo jednostranné obturace močovodu. Separovaná clearance VI - Prát V. and Kočvara S. Úst. pro Chor. Oběhu Krevního a pro Klin. a Exp. Chir., Praha - ČAS. LÉK. ČES. 1957, 96/21 (640-646) Graphs 1 Tables 6 Illus. 1

A total of 58 examinations were carried out using the method of separate clearance investigation by means of unilateral obturation of a ureter with a Chevassu catheter. The examination was successful in 40 cases. Difficulties with the introduction of the catheter into the ureter were a relatively frequent obstacle. Unfavourable reactions on the part of the patients to the examination were very rare, in no case were any serious complications of the state of the patient's health observed. The examination of 13 subjects in whom both kidneys functioned equally determined the limits of the separate values of glomerular filtration (using the clearance of endogenous creatinine), within which no difference in the functioning of the right and left kidney could be assumed. Using the index $\frac{GF \text{ of the catheterized side}}{\text{non-catheterized side}}$,

these limits are 0.79-1.71.

The examination of 27 patients in whom the kidneys were unequally affected by a pathological process demonstrated the significance of separate functional examina-

2290

tion for clinical practice. In many cases the examination method affects renal activity and it is therefore essential always to evaluate the results of separate examination together with the results of the clinical examinations. It was not demonstrated that unilateral catheterization of the ureter affected only the function of the side involved.

PRAT, V.; BENESOVA, D.; PAVKOVA, L.; CERVINKA, F.

Induction of cirrhotic pyelonephritic kidney in rabbits. Cesk. fysiol.
7 no.4:328-329 July 58.

l. Ustav pro choroby obehu krevniho, Katedra patol. anatomie a mikro-
biologie fakulty detskeho lekarstvi KU, Ustav pro klinickou a experimen-
talni chirurgii v Praze.

(PYELONEPHRITIS, exper.
induction in rabbits (Cz))

PRAT, Vladimir; HORAK, Oldrich

Unilateral kidney disease & hypertension. Cas. lek. cesk. 97 no.13:
403-409 28 Mar 58.

1. Ustav pro choroby obehu krevniho v Praze-Krci, reditel prof. Dr
K. Weber. Adres Autora: Vl. P., Praha- Krc, Budejovicka 800.
(HYPERTENSION, statist.
renal hypertension (Gz))

PRAT, Vladimir; PAVKOVA, Libuse; BENESOVA, Dagmar; CERVINKA, Frantisek

Experimental pyelonephritis. I. The importance of narrowing of the ureter in the excretion of E. coli in the urine of rabbits. Cas. lek. cesk. 97 no.47:1465-1472 21 Nov 58.

1. Ustav pro choroby obehu krevnino v Praze, prednosta prof. Dr. Kl. Weber, Katedra patologicke a mikrobiologie fakulty detskeho lekarstvi Karlovy university v Praze, prednosta doc. dr. D. Benesova. Ustav pro klinickou a experimentalni chirurgii v Praze, prednosta doc. dr. B. Spacek. VI. P., Budejovicka 800, Praha-Krc.

(PYELONEPHRITIS, exper.

importance of narrowing of ureter in excretion of E. coli
in the urine of rabbits (Cz))

(ESCHERICHIA COLI, infect.

exper. pyelonephritis, importance of narrowing of ureter
in excretion of bact. in urine of rabbits (Cz))

PRAT, Vladimir

Appearance of inflammatory complications following catheterization
of the ureters. Rozhl. chir. 38 no.10:685-692 O '59.

1.Ustav pro choroby obehu krevniho v Praze, reditel prof. dr. K.
Weber; se spolupraci bakteriologickeho oddeleni Ustavu pro klinikou
a experimentalni chirurgii v Praze, vedouci oddeleni MUDr. F.
Cervinka.

(CATHETERIZATION compl.)

PRAT, Vladimir; BENESOVA, Dagmar; CERVINKA, Frantisek

Experimental pyelonephritis. II. Appearance of contracted pyelo-nephrotic kidney in rabbits. Cas. lek. cesk. 98 no.15:461-468
10 Apr 59.

1. Ustav pro choroby obehu krevniho v Praze-Krci, reditel prof. MUDr K. Weber. Katedra patologicke anatomie a mikrobiologie fakulty detskeho lekarstvi Karlovy university v Praze, prednosta doc. MUDr. D. Benesova. Ustav klinicke a experimentalni chirurgie v Praze, reditel prof. MUDr. B. Spacek. V. P., Praha-Krc, Budejovicka 800.
(PYELONEPHROSIS, exper.
develop. of contracted pyelonephrotic kidney following
inject. of E. coli in rabbits (Cz))
(ESCHERICHIA COLI, infect.
contracted pyelonephrotic kidney in rabbits (Cz))

PILAT, Vladimir; BENESOVA, Dagmar; CERVINKA, Frantisek

Experimental pyelonephrosis. III. Development of hematogenic Escherichia coli infection in rabbits with unilateral hydronephrosis.
Cas. lek. cesk. 98 no.15:469-473 10 Apr 59.

I. Ustav pro choroby obehu krevniho v Praze, reditel prof. dr. Kl. Weber. Katedra patologicke anatomie a mikrobiologie fakulty detskeho lekarstvi EIU v Praze, prednosta doc. dr. D. Benesova. Ustav pro klinickou a experimentalni chirurgii v Praze, reditel prof. dr. B. Spacek. V. P., Praha-Krc, Budejovicka 800.
(PYELONEPHRITIS, exper.

develop. of acute purulent pyelonephrosis after E. coli inject. in rabbits with hydronephrosis (Cz))
(ESCHERICHIA COLI, infect.

acute purulent pyelonephrosis in rabbits with hydronephrosis (Cz))
(HYDRONEPHROSIS, exper.

develop. after E. coli inject. in rabbits with acute purulent pyelonephrosis (Cz))

PRAT, V.; DEJDAR, R.

Use of excretory urography in experiments in rabbits. Cesk.fysiol.
9 no.2:168-170 Mr '60.

1. Ustav pro choroby obehu krevniho, Praha
(UROGENITAL SYSTEM radiogr)

PRAT, Vladimir

Blind ureter after nephrectomy as a focus of infection of the urinary pathways. Rozhl.chir.39 no.7:478-481 J1'60.

1. Ustav pro chorony obehu krevniho v Praze, redited prof. dr. K. Weber.

(URINARY TRACT INFECTIONS etiol)
(NEPHRECTOMY compl)

PRÁT, V.; HATALA, M.; BEBEJOVÁ, D.; Technicka asistence: DIVIS, Z.; DVORAKOVÁ,
J.; VAGNEROVÁ, E.; VIEMAROVÁ, H.

Experimental contribution to the problem of "nephropathogenicity"
of some strains of *E. coli*. Cas. lek. cesk. 103 no.40:1097-1102
20 '64.

1. Ustav pro choroby obehu krevního v Praze (reditel prof. dr.
J. Brod, DrSc.); Ustav klinické a experimentální chirurgie v
Praze (reditel prof. dr. B. Spacek, DrSc.) a Katedra patolo-
gické anatomie a mikrobiologie fakulty dětského lékařství Kar-
lovy University v Praze (vedoucí prof. dr. V. Kubelka).

HATALA, M.; PRAT, V.; STRNAD, L.

Use of the TTC and nBT test for the diagnosis of bacteriuria.
Cas. lek. cesk. 103 no.40:1116 20 '64.

1. Ustav klinicke a experimentalni chirurgie v Praze (reditel
prof. dr. B. Spacek) a Ustav pro choroby obehu krevniho v Praze
(reditel prof. dr. J. Brod.).

~~REED, J.; RUMBLE, M.; SCHAFFNER, J.; TERNER, D.; THOMAS, J.;~~
~~WHITEHORN, G.; WOOD, C., R.; WOODWARD, R.~~

*Effect of carbonation on the early development of the β -
exponential acid bacteria problem, initial communication, 1977
no.42:10:3-1199 C.P. 1.1.*

1. Effect produced by the addition of carbon dioxide on the growth of
acid, *Bacillus*; *Acetobacter*, *Acetomicrobium* and *Acetomonas* and
(related) *Acetotilicoccus*, *Acetomicrobium*, *Acetomonas* and *Acetotilicoccus*
and their effect on the formation of organic acids during dilution
of fructose (verbal pre. Mr. V. Popov).

FIALT, V.; HATALA, M.; Technicka asistence: PTACKOVA, M.; HMATEK, J.

Therapy of patients with chronic pyelonephritis with resistant bacteriuria by means of colimycin. Cas. lek. cesk. 103 no.48:
1332-1337 N 27 '64.

I. Ustav pro choroby obehu krevnino v Praze, (reditel prof. dr. J. Brod, DrSc) a Ustav klinicka a experimentalni chirurgie v Praze, (reditel prof. dr. B. Spurek, DrSc.).

PRAT, V., (Praha-Krc, Budejovicka 800); HATALA, M.; BEER, O.; SRAMEK, L.;
VAGNEROVA, E.; Laboratorni spoluprace: KREJCOVA, K.; CHRPOVA, V.

Bacteriuria in pregnancy and its relation to the maturity of
infants. Cas. lek. Cesk. 104 no.48:1327-1328 3 D '65.

1. Ustav pro choroby obehu krevniho v Praze (reditel prof. dr.
J. Brod, DrSc), Ustav klinicke a experimentalni chirurgie v
Praze (reditel prof. dr. B. Spacek, DrSc) a Zenske oddeleni
Ustavu narodniho zdravi Okresniho narodniho vyboru v Praze 4,
(reditel MUDr. Z. Vaclavik).

HATALA, M.; PRAT, V.; BEER, O.

Tetrazolium test (T.T.C.) in the screening of asymptomatic bacteriuria in pregnancy. Rev. Czech. med. 11 no.3:198-202 '65.

1. The Institute of Clinical and Experimental Surgery, Institute for Cardiovascular Research, Prague -- Krc, and Department of Gynaecology, Polyclinic in Prague 4.

BROD, J.; HORNYCH, A.; VAVREJN, B.; PRAT, V.; KOSTKOVA, B.; BEJDAR, R.;
OPPELT, A.; CHARVAT, P.

Isotope renography in the diagnosis of chronic pyelonephritis.
Rev. Czech. med. 11 no.4:213-231 '65.

1. Institute of Cardiovascular Research, Prague (Director:
Prof. J. Brod. M.D., D.Sc.).

CZECHOSLOVAKIA

UDC 616.61-022.71.48-092.9:576.8.093.2.06

PRAT, V.; HATALA, M.; ROSSMAN, P.; Institute for Blood Circulation Diseases (Ustav pro Choroby Obehu Krevniho), Prague, Director (Reditel) Prof Dr J. BROD; Institute for Clinical and Experimental Surgery (Ustav Klinicke a Experimentalni Chirurgie), Prague, Director (Reditel) Prof Dr B. SPACEK.

"Increase in Nephropathogenicity of E. Coli Following Repeated Passage Through Kidneys."

Prague, Casopis Lekaru Ceskych, Vol 105, No 19, 13 May 66, p. 500 - 504

Abstract /Authors' English Summary modified/: Experiments were conducted on rabbits with intact kidneys; nephropathogenicity of a strain of E. coli serotype O2 was studied in respect to an increasing number of passages through rabbit kidneys with a temporary ligature of the ureter. Frequency of inflammatory changes in the kidneys rose from 25.9% (with a native strain) to 42.1% (infection after 15-20 passages of the strain). The passage through the body enhances the nephropathogenicity of E. coli. 4 Figures, 3 Tables, 7 Western, 6 Czech references. (Manuscript received 1/1 June 1965).

- 33 -

Asymptomatic bacteriuria in pregnancy. Cesk. gynek. 30 no.4: 297-304 My'65.

1. Ustav pro choroby obehu krevniho v Praze (reditel: prof. dr. J. Brod, DrSc.).

HATALA, M.; PRAT, V.; ROSSMANN, P. Technicka asistence: DIVIS, Z.; DVORAKOVA, J.; VAGNEROVA, E.; VIDMAROVA, H.

Pathogenicity of different species of various serotypes of Escherichia coli in the kidneys and urinary tract of rabbits. Rozhl. chir. 44 no. 5:326-333 May'65.

1. Ustav klinické a experimentální chirurgie v Praze (ředitel: prof. dr. B. Spacek, DrSc.); a Ustav pro choroby oběhu krevního v Praze (ředitel: prof. dr. J. Brod. DrSc.).

PRAT, V.

Clinical course and prognosis in polycystic disease of the kidneys. Rev. Czech. med. 10 no.4:260-272 '64.

1. Institute for Cardiovascular Research, Prague (Director; Prof. J. Brod. M.D., D.Sc.).

PONTY, V. (Prata 4 - Ryc, Budejovicka 200).

Present possibilities of prevention of pyelonephritis. Cas. lex.
cesk. 104 no.19:81-89 14 My '65.

I. Ustav pro choroby obehu krevniho v Praze (reditel: prof. dr.
J. Brecl. Praha.).

PRAT, V.; HEJL, Z.; DEJDAR, R. Technicka spoluprace: VAGNEROVA, E.; TRGUSIL, V.

Our experiences with transfemoral aortography by the Seldinger technic. Rozhl. chir. 43 no.12:812-817 D '64.

1. Ustav pro choroby obehu krevniho v Praze (reditel prof. dr. J. Brod, DrSc.)

HATALA, M.; PRAT, V.; BENESOVA, D.; Technicka asistence: CAPKOVA, E.;
DIVIS, Z.; VIIMAROVA, H.; DVORAKOVA, J.; HUEKOVA, M.

Coli bacillus bacteremia in rabbits with normal kidneys. Cas.
lek. cesk. 102 no.27/28:768-772 8 Jl '63.

1. Ustav klinicke a experimentalni chirurgie v Praze, prednosta
prof. dr. B. Spacek Ustav pro choroby obehu krevniho v Praze,
prednosta doc. dr. J. Brod. Katedra patologicke anatomie a
mikrobiologie fakulty detskeho lekarstvi KU v Praze, prednosta
prof. dr. V. Kubelka.

(ESCHERICHIA COLI INFECTIONS) (SEPTICEMIA)
(PYELONEPHRITIS) (URINARY TRACT INFECTIONS)
(KIDNEY)

HORNYCH, A.; PRAT, V.; HEJL, Z.; DEJDAR, R.; Technicka asistence:
CAPKOVA, E.; TROUSIL, V.

Effect of aortography on kidney function with reference to
various contrast media. Cas. lek. cesk. 102 no.34:928-934
23 Ag '63.

1. Ustav pro choroby obehu krevniho v Praze, reditel prof. dr.
J. Brod, DrSc.

(ANGIOGRAPHY) (RENAL ARTERY OBSTRUCTION)
(HYPERTENSION) (KIDNEY NEOPLASMS)
(ADRENAL CORTEX NEOPLASMS)
(KIDNEY FUNCTION TESTS)

PRAT,

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CZECHOSLOVAKIA

PRAT, V; FENCL, V; JIRKA, J.

Institute of Circulatory Diseases (Ustav pro choroby obehu
krevniho), Prague-Krc (for all)

Brno, Vnitri lekarstvi, No 9, 1963, pp 843-849

"The Clinical Picture and Course of Chronic Renal Failure
in Chronic Glomerulonephritis and in Chronic Pyelonephritis."

PRAT, Vladimir

Urinary infection and renal function prolonged therapy of patients
with chronic pyelonephritis. Cas. lek. cesk. 101 no.34:1032-1038
24 Ag '62.

1. Ustav pro choroby sbehu krevniho v Praze, reditel doc. dr. J. Brod,
DrSc.

(PYELONEPHRITIS) (URINARY TRACT INFECTIONS)
(KIDNEY FUNCTION TESTS)

PRAT, Vladimir

Czechoslovakia

Institute for Circulatory Diseases (Ustav pro choroby obehu krevniho v Praze-Krci), Prague; Director: Jan BROD, Docent DSc, MD.

Brno, Vnitri lekarstvi, No 10, Oct 62, pp 1055-1061.

"A Comparison of Bacteriological Findings in the Urine in Chronic Pyelonephritis and Chronic Glomerulonephritis."

Co-author:

HORAK, Oldrich, Institute for Circulatory Diseases, Prague.

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, J.; PRAT, V.; statisticka spoluprace
EARTONICEK, M.

Results of long-term treatment of chronic glomerulonephritis with
corticoids. Cas. lek. cesk. 101 no.45:1332-1338 9 N '62.

1. Ustav pro choroby obehu krevniho v Praze, reditel doc. dr. J. Brod,
DrSc.

(GLOMERULONEPHRITIS) (CORTICOTROPIN) (CORTISONE)
(PREDNISONE)

"PRAT, V.; BROD, J.; BENESOVA, D.; DEJDAR, K.; FENCL, V.; HORAK, O.;
CERVINKA, F.; KRATOCHVILLOVA, J.; PAVKOVA, L.

Research on chronic pyelonephritis during the first ten years of the
Institute for Cardiovascular Research, Rev. czech. M. & no.2:
113-123 -62.

1. Institute for Cardiovascular Research, Prague; Director: Academician
K. Weber, Department of Morbid Anatomy and Microbiology, Faculty of
Paediatrics, Charles University, Prague; Head: Doc Dr. D. Benesova;
Institute of Clinical and Experimental Surgery, Prague; Director:
Prof. Dr. B. Spacek.
(PYELONEPHRITIS statistics)

PRAT. Vladimir; BENESOVA, Dagmar; CERVINKA, Frantisek; Technicka spoluprace
CAPKOVA, E.; DVORAKOVA, J.

Experimental pyelonephritis. VI. Relation between temporary ischemia
of the kidney and hematogenic colibacillus infection in rabbits. Cas.
Lek. Cesk. 101 no.12:361-366 23 Mr '62.

1. Ustav pro choroby obehu krevniho v Praze, reditel akademik K. Weber.
Katedra patologicke anatomie a mikrobiologie fakulty detskeho lekarstvi
KU v Praze, prednosta doc. dr. D. Benesova. Ustav pro klinickou a
experimentalni chirurgii v Praze, reditel prof. dr. B. Spacek.

(PYELONEPHRITIS exper) (KIDNEY blood supply)
(ESCHERICHIA COLI INFECTIONS exper)

PRAT, V.

Experimental pyelonephritis. Cesk. fysiol. 10 no.5:438-444. '61.

1. Ustav pro choroby obehu krevniho, Praha.
(PYELONEPHRITIS exper)

PRAT, V.; BENESOVA, D.; BARTONICEK, M.

Long-term study of blood pressure in rabbits with unilateral chronic pyelonephritis or unilateral hydronephrosis. Physiol. Bohemoslov. 11 no.1:14-23 '62.

1. Institute for Cardiovascular Research, Department of Pathological Anatomy and Microbiology, Faculty of Paediatrics, Charles University, Prague.

(PYELONEPHRITIS exper) (HYDRONEPHROSIS exper)
(BLOOD PRESSURE physiol)

PRAT, Vladimir; KCCVARA, Svatopluk; CAPKOVE, E. [technical assistant]

Evaluation of results after surgical treatment of polycystic kidneys
by separate glomerular filtration tests. Rozhl. chir. 40 no.6:383-389
Je '61.

1. Ustav pro choroby obehu krevniho v Praze Ustav pro klinickou a
experimentalni chirurgii v Praze.
(KIDNEY DISEASES surg) (KIDNEY FUNCTION TESTS)

PRAT, Vladimir; BENESOVA, Dagmar; DEJDAR, Rudolf; CERVINKA, Frantisek
Technicka asistence: CAPKOVA, E.; DVORAKOVA, J.; KRAUSOVA, E.;
LANKISCH, A.

Experimental pyelonephritis. IV. Effect of dynamic disorders of
the ureter on renal excretion of E. coli in rabbits. Cas.lek.cesk.
99 no.44:1383-1389 28 0 '60.

1. Ustav pro choroby obehu krevniho v Praze-Krci, reditel akademik
Klement Weber. - Katedra patologicke anatomie a mikrobiologie
fakulty detskeho lekarstvi Karlovy university v Praze, prednosta
doc. MUDr. Dagmar Benesova. - Ustav pro klinickou a experimentalni
chirurgii v Praze-Krci, reditel prof. MUDr. Bohumil Spacek.
(ESCHERICHIA COLI INFECTIONS exper)
(PYELONEPHRITIS exper)

PRAT, V.; Technicka spoluprace: E. Capkova.

Separate kidney function tests in patients with polycystic kidneys.
Cas. lek. cesk 100 no. 6: 161-165 10 F '61.

1. Ustav pro choroby obehu krevniho v Praze, reditel akademik
K. Weber.

(KIDNEY FUNCTION TESTS) (KIDNEY DISEASES diag)

PRAT, Vladimir

Certain data on the clinical picture of polycystic kidneys in
adults. Cas.lek.cesk.99 no.42:1332-1339 14 O '60.

l. Ustav pro choroby obehu krevniho v Praze-Krci, reditel prof.
dr. K. Weber.
(KIDNEY DISEASE)

PRATAPAVA, A.

Sometimes it happens this way. Rab. i sial. 39 no. 3:15-16
(MIRA 16:4)
Mr '63.

(Husband and wife)

PRATOV, A.

Stability of solutions to integral equations. Issl. po int.
-diff. urav. v Kir. no.1:201-212 '61. (MIRA 15:2)
(Integral equations)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001342830008-2

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001342830008-2"

13. Stability of the solutions of integral equations. S/757.01/11.

The author discusses the stability of the solutions of integral equations under the condition that $A \circ B = A \circ R \circ K \circ B$, where R and K are linear operators and B is a nonlinear operator, respectively, and the solution of the corresponding integral equations are employed to prove the stability of the solutions of the operator $A \circ B$. It is shown that the operator $A \circ B$ can be represented as the sum of the cross product of three stable operators, A , RQ , and B , where RQ is a linear operator and $A \circ B$ is stable. In the case of nonlinear integral equations, the author uses the Lipschitz condition (as detailed in: Krasnosel'skiy, M.A. and Zabreiko, P.P. "Lineynye i nelineynye integral'nye uravneniya" - Topogog, 1960) and the method of successive approximations (as detailed in: Krasnosel'skiy, M.A. and Zabreiko, P.P. "Metod posledovatel'nykh priblizhenii v teorii nelineynykh integral'nykh uravnenii" - Topogog, 1956) to prove the stability of the solutions of integral equations. The author also proves that if the operator A is a stable linear operator, and the nonlinear operator B satisfies the condition $\|B\|_1 < 1$, then the operator $A + B$ is stable. There are 5 Russian language references, of which 3 are Soviet and 2 (the works of S. Banach and B. Sz.-Nagy) which is available in German, French, and English. Some of them (Banach, Sz.-Nagy) are Russian translations of the original publications.

ASSISTANT EDITOR: None

14. 1/1

S/044/62/000/004/047/099
C111/C333

AUTHOR: Pratov, A.

TITLE: On the stability of the solutions of integral equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 4, 1962, 55,
abstract 4B254. ("Issled. po integro-differents. uravneniyam
v Kirgizii". No. 1, Frunze, AN Kirg SSR, 1961, 201 - 212)

TEXT: The author considers sufficient conditions for the stability
and instability of solutions of operator equations.

Let : 1.) (B) a Banach space, the elements of which are the functions
 $f(t, x_1, \dots, x_m)$ of numerical arguments; let the f be defined in a domain
 D ; 2.) A linear operator from (B) in (B). The solution v of the
equation $v = Av + \zeta$ or the operator A are called stable, if for every
 $\delta > 0$ there is a $\zeta > 0$ such that for every function $\zeta \in (B)$ satisfying
the inequality $|\zeta| \leq \zeta$, $t \in D$, it holds the inequality
 $|u - v| \leq \delta$, $t, x \in D$, where u is the solution of the equation $u = Au + \zeta$.

In some theorems the author proves sufficient conditions for the stability
or instability of the operators. The application of the theorems of the

Card 1/2

On the stability of the solutions ...

S/044/62/000/004/047/099
C111/C333

author to integral equations is considered. It is shown that from the results of the author there follow in particular some results of V.R. Vinokurov (RZhMat, 1962, 23299; 1960, 4136). ✓

[Abstracter's note : Complete translation.]

Card 2/2

ACCESSION NR: AT3013107

S/2757/62/000/002/0271/0286

AUTHOR: Pratov, Anvar

TITLE: On the stability of the solutions of integral equations

SOURCE: AN KirgSSR. Institut fiziki, matematiki i mekhaniki. Issledovaniya po integro-differentsial'nym uravneniyam v Kirgizii, no. 2, 1962, 271-286

TOPIC TAGS: operator equation, linear operator, nonlinear operator, crossed sum, crossed product, crossed quotient, stability of solution, integral equation, integrodifferential equation, differential equation

ABSTRACT: The stability of the solutions of the operator equation

$$\phi = f + U\phi \quad - \quad (1)$$

considered in some Banach space ϕ is investigated. This is a con-

Card 1/3

ACCESSION NR: AT3013107

tinuation of previous work by the author (Sb. "Issledovaniya po integro-differentsial'nym uravneniyam v Kirgizii, no. 1, Frunze, 1961). U is a linear or nonlinear operator acting from Φ in Φ . It is assumed that Eq. (1) has a unique solution φ , and its stability is defined. The investigation is preceded by a study of certain properties of the crossed sum ($B = A_1 + A_2 - 1$), the crossed product ($C = A_1 + A_2 - A_1 A_2$), and the crossed quotient ($D = A_1 - R_2 + A_1 R_2$), where R_2 is the resolvent of the operator A_2) of two operators A_1 and A_2 . These properties are then used to prove several theorems concerning the stability of linear and nonlinear operators and their combinations. The results obtained for operator equations are applied to investigations of the stability of the solutions of various types of systems of algebraic, integral, differential, and integro-differential equations. Orig. art. has: 32 formulas.

Card 2/3

ACCESSION NR: AT3013107

ASSOCIATION: Institut fiziki, matematiki i mekhaniki AN KirgSSR
(Institute of Physics, Mathematics, and Mechanics, AN KirgSSR)

SUBMITTED: 09May62

DATE ACQ: 30Sep63

ENCL:00

NO. REF SOV: 008

OTHER: 002

SUB CODE: MM

Card 3/3

L 24143-65 EWT(d) Pg-4 IJP(c)
ACCESSION NR: AR5000986

S/0044/64/000/009/B073/B073

B

SOURCE: Ref. zh. Matematika. Abs. 9B309

AUTHOR: Pratov, A. V.

TITLE: The stability of the solution of integro-differential equations 16

CITED SOURCE: Sb. Materialy 12-y Nauchn. konferentsii prof. - prepodavat.
sostava Fiz. - matem. fak. Kirg. un-t. Sekts. matem. Frunze, 1964, 63-68

TOPIC TAGS: integral differential equation, asymptotic stability, inequality boundary solution

TRANSLATION: The problem $u(a, x) = \varphi(x)$ for the integro-differential equation
(1) is examined,

$$\begin{aligned} \frac{du(t, x)}{dt} &= A(t, x)u(t, x) + F(t, x, u) + \\ &+ \int_0^t K(t, x, s)u(s, x)ds, \end{aligned} \quad (1)$$

Card 1/2

L 24143-65

ACCESSION NR: AR5000986

where $x = (x_1, \dots, x_m)$, $(t, x) \in [a, \infty] \times G$, $G \in R^m$, $A(\cdot)$, $K(\cdot)$ and $F(\cdot)$ are operators acting from the Hilbert space H in H ; $F(t, x, 0) = 0$. If:

$$1) \quad Lu = A(t, x) u(t, x) + \int K(t, x, \tau) u(\tau, x) d\tau;$$

2) for any function $u \in H$ the inequality $\langle u, Lu \rangle \leq -\lambda(t) \langle u, u \rangle$, $\lambda(t) > 0$, $t \geq a$ takes place; 3) for $\|u\| \leq \gamma$, $t \geq a$, $x \in G$ the inequality which follows is fulfilled

$$\begin{aligned} \|F(t, x, u)\| &< \|\mu(t) + \psi(t)\| \|u\|, \quad \alpha > 0, \\ 0 &< \mu(t) < \lambda(t), \end{aligned}$$

$$\int_a^\infty \left(\exp \alpha \int_a^t [\mu(s) - \lambda(s)] ds \right) \psi(t) dt < +\infty,$$

then a numerical value $\delta > 0$ may be found for any figure $\varepsilon > 0$ ($\varepsilon \leq \gamma$) so that the inequality

$$\|u(t, x)\| < \varepsilon \exp \left\{ - \int_a^t [\lambda(s) - \mu(s)] ds \right\} \quad (2)$$

is fulfilled as long as $\|\varphi(x)\| < \delta$. From the inequality (2) there follows the asymptotic stability of the trivial solution of equation (1) L. Krivoshein

SUB CODE: MA

ENCL: 00

Card 2/2

PRATOV, U.

Valuable forage plant from the goosefoot family (Cheno-podiaceae). Vop. biol. i kraev. med. no.4:146-149 '63.
(MIRA 17:2)

MEL'TSER, V.V., dotsent, kand.tekhn.nauk; PRATUSEVICH, A.Ye., inzh.;
KSENZUK, F.A., inzh.; LEDKOV, V.G., inzh.

"Hot sheet rolling on continuous and semicontinuous mills"
by M.M.Saf'ian. Reviewed by V.V.Mel'tser and others. Stal'
22 no.9:832-834 S '62. (MIRA 15:11)

1. Magnitogorskiy gornometallurgicheskiy institut i Magnitogorskiy
metallurgicheskiy kombinat (for Mel'tser, Pratusevich). 2. Zavod
"Zaporozhstal'" (for Ksenzuk, Ledkov).
(Rolling (Metalwork)) (Saf'ian, M.M.)

KLIMOVITSKIY, M.D.; PRATUSEVICH, A.Ye.

Automatic control of heating furnaces in continuous thin-sheet mills. Metallurg 5 no.2:29-31 F '60.
(MIRA 13:5)

1. Tsentral'noye proyektno-konstruktorskoye byuro Glavmontazha
avtomatiki (for Klimovitskiy). 2. Magnitogorskiy metallurgicheskiy
kombinat (for Pratusevich).
(Rolling mills) (Furnaces heating)
(Automatic control)

YEROFEYEV, B.V. [Erafeeu, B.V.]; PRATASHCHYK, V.A.

Determination of surface area of magnesium oxide in a mixture
with magnesium carbonate by chemsorption of radioactive carbon
dioxide. Vestsi AN BSSR. Ser. fiz.-tekhn.nav. no.2:61-66 '58.
(MIRA 11:10)

(Sorption) (Magnesium oxides) (Magnesium carbonates)

PRATASEV'YA, G. D.

"Production of Polyploid Plants," Dok. AN, 22, No. 6, 1937.

Mor. Cytological Lab., Nikits'ky Botanical Garden, Yalta, -1937-.

EXCERPTED AND PREPARED FOR
THE UNITED STATES GOVERNMENT
BY THE NATIONAL TECHNICAL INFORMATION SERVICE
1970 FROM THE ORIGINAL SOURCE

Pyrrole compounds. I. The synthesis of some *N*-alkyl-substituted 2,5-dimethylpyrrole-3-monocarboxylic esters. N. M. Timoshevskaya. *J. Gen. Chem. (U. S. S. R.)* 9, 406-8(1939).—Compds. of the type $\text{Me}_2\text{C}(\text{CH}_2)\text{CO}_2\text{Et}$ can be obtained in 9-15% yields by adding $\text{AcCH}_2\text{CO}_2\text{Et}$ to NaOEt , treating the mixt. with ClCH_2COMe and then with an aliphatic amine. The temp. should never rise above room temp. and the products should be distd. the day they are prep'd. In this way are obtained the compds. in which R is Me, m. 48°, b₂ 128-9°; Et, m. 25-6°, b₂ 133-4°; Pr, m. 44.5°, b₂ 144°; and Bu, m. below 15-16°, b₂ 162-3°. H. M. L.

Molecular association of pyrrolealdehydes. P. Pratesi and V. Berti. *Atti X^a congr. intern. chim.* 3, 313-17 (1930).—The pyrrolealdehydes, non-substituted on the N, are anomalous in their chem. behavior toward HCN, Schiff's reagent and dioxymmonia ($\text{NH}(\text{OH})_2$). The assumption of an equil. between the aldehyde and hydroxymethylene forms does not completely interpret all the various reactions of these aldehydes. The simplest α -pyrrole-aldehyde which is anomalous in its chem. behavior is notably assoc'd. in soln. It is shown that although 2,4-dimethyl-5-pyrrolealdehyde, m. 90°, and 2,4-dimethyl-3-ethyl-5-pyrrolealdehyde, m. 105-6°, are strongly assoc'd. in benzene soln. except at high dilns., *N*-methyl- α -ovrole-aldehyde, b.p. 77-8°, is absolutely monomol. in benzene soln. as shown by cryoscopic detns. This investigation will be extended to see whether the anomalous behavior is due solely to assocn. or to a secondary action of the heterocyclic nucleus on the CHO group. C. R. Addinall

ASIAN METALLURGICAL LITERATURE

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001342830008-2

PRATHER, E.O. jun,
A. R. BLISS, jun, (J. Urol., 1933, 30, 639-652)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001342830008-2"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001342830008-2

PRATKA, Karl

c/1964

1964

ELECTRIFICATION OF AGRICULTURE

DECEASED

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001342830008-2"

ROSZKOWSKI, Ireneusz; PRATKOWSKA, Jadwiga

Case of afibrinogenemia treated without using fibrinogen. Gin.
polska 29 no.1:69-73 Jan-Feb 58.

1. Z II Kliniki Poloznictwa i Chorob Kobiecych A.M. w Warszawie
Kierownik: prof. dr med. I. Roszkowski. Adres: Warszawa, Klonowa 12.

(AFIBRINOGENEMIA, ther.

blood transfusion with concentrated plasma (Pol))

(BLOOD TRANSFUSION, in var dis.

afibrinogenemia, transfusion with concentrated plasma
(Pol))

14(5)

YUG/1-59-3-16/57

AUTHOR: Pratnekar, Nadežda, Engineer, Assistant (Beograd)
TITLE: Organic Colloids and Their Effect on the Mud Flush (Organ-
ganski koloidi i njihovo dejstvo na kvalitet ispijake)
PERIODIC: Tehnika, 1959, Nr 3, pp 416-418 (YUG)
ABSTRACT: The article discusses the quality of mud flushes prepared from natural bentonite clays and analyzes the effect on the quality of chemical processing of the bentonite by organic colloids to protect it from deleterious action by the electrolyte. The results of laboratory tests with various types of bentonite mud flushes and the action on them of colloidal reagents are tabulated. These tests were carried out at the French Petroleum Institute in Paris. The author concludes that a better quality mud flush may be prepared from Clarsol bentonite than from normal Dapic clay. By adding BS510 reagent the filtration can be de-

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YUG/1-59-3-16/57

Organic Colloids and Their Effect on the Mud Flush

creased by 6 cc while the viscosity remains within satisfactory limits. STT reagent has the same effect but a percentage of only 3% of the reagent leads to a rise in the viscosity. NaCl and CaCl₂ have no noticeable effect on mud flush treated with BS₅₁₀ reagent but does affect mud flush treated with STT, filtration increasing but within tolerable limits. There are 7 tables.

ASSOCIATION: Rudarski otsek Rudarsko-geološkog fakulteta (Mining Chair of the Department of Mining-Geology), Beograd Univ.

Card 2/2

PRATSCH, Vilmos

Implementing the new instructions on industrial safety issued
by the Ministry of Transportation and Postal Affairs, Manila
14 nc.10;26-27 G '64.

1. Central Council of Hungarian Trade Unions, Budapest.

Saturated linear polyesters of mercapto dicarboxylic acids with dihydric alcohols. Burt C. Pratt (to E. L. du Pont de Nemours & Co.), U.S. 2,456,314, Dec. 14, 1948. These said polyesters are useful either alone or in admixture with drying oils, resins, etc., as coating compds. Pigments, dyes, fillers, and plasticizers may be added. When exposed to air, the linear polyesters dry in the presence of about 0.1% of a suitable metallic drier to clear tough films. Satt'd, aliphatic mercapto dicarboxylic acids, e.g., mercaptosuccinic acid (1) 150 and ethylene glycol 62 parts are heated 5 hrs. to 150° under N₂. The acid no. drops from 585 to 232 (phenol violet indicator) and the reaction product is a rubberlike material sol. in cyclohexanone. Baking and/or addn. of Co linoleate accelerates drying. A similar compd. is obtained with the following modification of the above process: coconut oil 36.4, glycerol 10.2, litharge 0.63, and I 24 parts give a semisolid (analyzing 6.58%, S). Hexamethyleneglycol 10.6 and I 24.8 parts gave a colorless resin. The mercapto dicarboxylic acids used may contain one or several SH groups, the satt'd, aliphatic dihydric ale. may be either a glycol or a higher polyhydric ale. in which all but 2 of the HO groups have been esterified with a satt'd, aliphatic monocarboxylic acid, preferably the monoglycerides of hexanoic, octanoic, decanoic acids, etc. B. B. Speiser

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001342830008-2"

Manufacture of support for photographic papers at the
P. Schoeller factory at Osnabrück. F. Robinson, H.
Pratt, and A. Tomblin. BIOS Trip No. 2133 (Rept. II).
19 pp., April, 1946; Science & Inds. phot. 19, 250-1(1945).
T. H. J.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

PRATUSEVICH, A.I.

MEL'TSER, V.V., dotsent; PRATUSEVICH, A.I., inzhener.

"Continuous sheet rolling mill for hot rolling" by M.M. Saf'ian.
Reviewed by V.V. Mel'tser, A.E. Pratusevich. Stal' 17
no.6:552-553 Je '57. (MIRA 10:7)

1. Magnitogorskiy gorno-metallurgicheskiy institut in Magnito-
gorskiy kombinat.
(Rolling mills) (Saf'ian, M.M.)

S/137/61/000/007/015/072
A060/A101

AUTHORS: Nosov, V. D.; Mel'tser, V. V.; Pratusevich, A. Ye.

TITLE: Improvement of the technology and operation of the continuous thin-sheet hot rolling mill 1450

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1960, 5, abstract 7D30
("Tr. Konferentsii: Tekhn. progress v tekhnol. prokatn. proiz-v".
Sverdlovsk, Metallurgizdat, 1960, 476-485)

TEXT: The grading of the mill 1450 and the plant equipment are described. The extent of increase in the power and working capacity of the following sections of the shop are enumerated: the slab store, rolling mill, removing part of the mill. The measures required for improving the technology and increasing the service life of the equipment are indicated.

V. Mezis

[Abstracter's note: Complete translation]

Card 1/1

GAIKIN, D.P.; PRATUSEVICH, A.Ye.

Operation of a three-zone heating furnace. Metallurg 5
no.9:24-26 S '60. (MIRA 13:8)

1. Listoprotkatnyy tsekh No.1 Magnitogorskogo metallurgicheskogo
kombinata. (Furnaces, Heating)

18.5060

77-33
SOV/130-60-1-16/22

AUTHORS: Galkin, D. P., Pratusevich, A. Ye.

TITLE: Performance of Rolling Mill on Sliding Surface Bearings

PERIODICAL: Metallurg, 1960, Nr 1, pp 38-39 (USSR)

ABSTRACT: The wear and frequent breakdowns of backing roll journals of sheet metal hot rolling mill, gave reasons for changing the bearings of backing rolls of finishing stands from four-row tapered roller bearings (TsKB-845) to 800 x 480 mm sliding-surface bearings. The diameter of tapered journal was changed from 520 to 710 mm (in the critical section). This increased its bending strength 2.5 times. The bearings work on oil lubrication (bright stock) supplied under a pressure of 2-2.5 atm. In spite of the general improvement, the quality of the sheet metal was not satisfactory due to warping and buckling. During further investigations, it was established that the cause of the defects was the increased wear of the

Card 1/2

Performance of Rolling Mill on Sliding Surface
Bearings

77-33

SOV/130-60-1-16/22

roll barrel, which occurred because of heating of the barrel ends adjacent to the journals and hot bearings. The thermal wear of the rolls resulted in a concave surface of the barrel. To decrease the amount of roll changes and to improve the quality of the sheet, the following improvements were made: (1) application of a special collector for cooling the ends (200 mm length) of the backing roll barrel; (2) grinding 0.3 mm camber for upper backing roll and 0.2 mm camber for lower (work) roll. The use of sliding-surface bearing decreases the number of breakdowns and the axial load on the working rolls and improves the quality of rolled sheet.

ASSOCIATION: Magnitogorsk Metallurgical Combine (Magnitogorskiy metallo-
lurgicheskiy kombinat)

Card 2/2

IRATOVICH, G. M. (Grad stud)

Dissertation: "The origin and development of higher technical education in aviation in the USSR (1939-1930)." Cand. Tech. Sci., Moscow Order of Lenin Aviation Institute (now Sergei Ural'shnikov), 23 Jun. 54. (Vsechnarodnaya Moshch, Moscow, 12 Jun. 54.)

AO: NAM 518, 23 Dec 1954

ARZHANIKOV, N.S.; SADEKOVA, G.S.; DUBASOV, V.T., retsenzent;
ABGARYAN, K.A., retsenzent; PRATUSEVICH, G.M., red.;
GAVRILOVA, T.M., red.

[Supersonic flow about bodies of revolution] Obtekanie tel
vrashcheniya sverkhzvukovym potokom. Moskva, Mosk. avitatsai-
onnyi in-t im. Sergo Ordhonikidze, 1962. 65 p. (MIRA 16:4)
(Aerodynamics, Supersonic)

SOV-3-59-8-24/26

AUTHOR: Pratusevich, G.M., Candidate of Technical Sciences

TITLE: For a Thorough Analysis of the Problems of History of Higher Technical Education in the USSR (Za polnotsennyyu razrabotku voprosov istorii vysshego tekhnicheskogo obrazovaniya v SSSR)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 8, pp 88 - 93 (USSR)

ABSTRACT: Three new books are listed with a short description of each

ASSOCIATION: Moskovskiy aviationsionnyy institut imeni S. Ordzhonikidze
(Moscow Aviation Institute imeni S. Ordzhonikidze)

Card 1/1

POLUKHIN, P.I.; ZHELEZNOV, Yu.D.; POLUKHIN, V.P.; RADYUKEVICH, L.V.;
PRATUSEVICH, I.I.; NIKOLAYEV, V.A.

Effect of technological factors on roll grooving for thin sheet
mills. Stal' 23 no.2:146-152 F '63. (MIRA 16:2)

1. Moskovskiy institut stali i splavov i Magnitogorskiy
metallurgicheskiy kombinat.
(Rolls (Iron mills))

8/133/63/000/002/007/014
A054/A126

AUTHORS: Polukhin, P.I., Zhelezov, Yu.D., Polukhin, V.P., Radyukevich, L.V.
Pratusevich, I.I., Nikolayev, V.A.

TITLE: The effect of technological factors on the profile section of thin
strip mill rolls

PERIODICAL: Stal', no. 13, 1963, 146 - 152

TEXT: This problem has been studied at the Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical Combine), on continuous 1,200 mm four-high cold rolling mill rolls and 1,450 mm hot rolling mill rolls, in 1961 - 1962. The article is a summarizing report on the theoretical and experimental research relating to the changes of the profile section of work rolls and backing rolls due to heat effects (convexity at the center of the roll surface), to wear and tear of the rolls, etc. Measures to prevent these phenomena involve the balancing of heat effects by modifying the intensity of cooling accordingly, preferably with an automatic regulation, by means of a pickup signaling the distribution of expansion over the width of the strip and ensuring that cooling at the edge parts is more intense than the heat release. For backing rolls this can be obtained

Card 1/2

The effect of technological factors on the

S/133/63/000/002/007/014
A054/A126

by giving them a special profile section (clipping or grooving at the edges); moreover, by giving the roll barrel a surface of varying wear resistance, adjusted to the forces applied to it (by hard-surfacing with hard alloys). The measures recommended are covered by Author's Certificate No. 142.269, 1961 (Ref. 5) and No. 151976, 1962 (Ref. 3). There are 7 figures.

ASSOCIATIONS: Moskovskiy institut stali i splavov (Moscow Institute of Steel and Alloys); Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical Combine)

Card 2/2

P.R.A.TU SEVICH, S. G.

24(4) PHARL I NAKLIVANNAKH. Sov/3140

Akademiya nauk Ukrainskoj SSR. Institute fiziki

Potoelektricheskiy i opticheskyy yavleniya v poluprovodnikakh; issled. Pervogo vsesoyuznogo konferentsii po fotoelektricheskim i opticheskym yavleniyam v poluprovodnikakh. 6. Kiyev, 20-26 noyabrya 1957. 6 (Fotoelectrical and Optical Phenomena in Semiconductors; Translations of the First Conference on Photoelectric and Optical Phenomena in Semiconductors...) Kiyev, 1959. 403 p. 4,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR. Presidium. Komissiya po poluprovodnikam.

Ed. of Publishing House, F. V. Kislina; Tech. Ed.: A. A. Matveychuk; Peap. Ed.: V. Yu. Lashkov, Acedemician, Ukrainian SSR, Academy of Sciences.

PURPOSE: This book is intended for scientists in the field of semiconductor physics, solid state spectroscopy, and semiconductor devices. The collection will be useful to advanced students in universities and institutes of higher technical training specializing in the physics and technical application of semiconductors.

COVERAGE: The collection contains reports and information bulletins (the latter are indicated by asterisks) read at the First All-Union Conference on Optical and Photoelectric Phenomena in Semiconductors. A wide scope of problems in semiconductor photoelectric and technology are considered: Photoconductivity, photoelectric forces, optical properties, photoelectric cells and photodiodes, photoresistors, the actions of hard and corpuscular radiations, the properties of thin films and superx semiconductor systems, etc. The materials were prepared for publication by E. I. Rashkov, O. V. Svitko, K. D. Talybov, A. P. Zubchenko and M. K. Shorshman. References and discussions follow each article.

Photoelectric and Optical Phenomena (Cont.) Sov/3140

Vardion, V. S., O. M. Onikin, and V. M. Malovetskyi. Generation of Oscillation Photocurrents in Converters of Solar Radiant Energy. 345

Brykin, S. M., M. V. Strelkan, and L. I. Mikayelyi. The Kinetics of Photodiodes Cells With Electron-Hole [p-n] Junctions. 360

Bogolyubov, A. A. and Ye. A. Smirnov. Germanium Photoelectric Cell of Large Area With p-n Diffused Junction. 367

Kolmirets, R. M., A. O. Olesk, and J. O. Ponomarenko. New Types and Designs of Photodiodes and Their Characteristics (theses). 371

Jalilov, Ye. A. and O. A. Fedchenko. Phototransistors of GeS Single Crystals With Low Relaxation Time. 373

THE ACTION OF HARD AND CORPUSCULAR RADIATIONS ON SEMICONDUCTORS

CARD 14/16

Pearcey, S. G.

Y
A photoresistor²⁵ made of cadmium selenide B.I. Kubaschewski, H. J. Higgs and S. G. Pramaggioli. Noteh Eisenberg, C.W.T. 1174-6(1956). This is a preliminary report on a photoresistor made of powd. CdSe as disk 8 mm. in diam. and 0.5 mm. thick with Au or Aquadag electrodes. Comparison with a CdS photoresistor gives the v.-amp. characteristic and the light characteristic at 20, 50, and 100 v. (0 to 200 lux) and indicates that this CdSe photoresistor is more sensitive than com. photoresistors based on Pb, Bi, or Cd.
V. H. Gottschalk

4 EH

for
Raw copy

PRATUSEVICH, R. M.

Kryshcova, N. A., Pratusevich, R. M., and Ramaninko, N. N.
"Clinical-spideriological data on acute poliomyelitis in
Leningrad during 1945", Sbornik nauch. trudov (M-vo
zdravookhraneniya RSFSR. Resp. nauch.-issled. in-t
vesstanovleniya trudospeschnosti fiz. defektivnykh detey
im. prof. Turnera), Leningrad, 1948, p. 99-111, - Bitlog: 1 items.

SC: U - 3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

PRATUSEVICH, R. M.

Krysheva, N. A. and Pratusevich, R. M., "Changes in the nervous system with con-genital torsion", Stornik nauch. trudov (M-ye zdrav'ya i zdravotvorchestva RSFSR. Resp. nauch.-issled. in-t vosstanovleniya trudosposobnosti fiz. defektivnykh detey in. prof. Turnera), Leningrad, 1948, p. 323-44, - Illust: 8 items.

SO: U - 3042, 11 March 53, (Lettres "Zhurnal "nykh Stat'ev, No 7, 1948)

KHYSHOVA, N.A.; PRATUSEVICH, R.M.

Significance of Pavlov's teaching in pediatrics and especially in child neuropathology. Vopr.pediat. 18 no.6:3-6 1950. (CLML 20:5)

1. Leningrad.

PRATUSEVICH, R.M.

Result of the treatment of chorea with prolonged sleep. Vopr. pediat.
20 no. 5:10-14 Sept-Oct 1952. (CLML 23:3)

1. Senior Scientific Associate. 2. Of the Clinic for Nervous Diseases
of the State Scientific-Research Pediatric Institute (Director of
Institute -- A. L. Libov; Scientific Supervisor -- Prof. N. A. Kryshova).

PRATUSEVICH, R. M.

Changes in the ascorbic acid content of cerebrospinal fluid and of the blood in some neuroinfections in children. R. M. Pratusevich. Zhur. Nervopatol. i Psichiatrii im. Korsakova 32, No. 2, 64-8(1952).—Under observation were 81 patients with acute epidemic poliomyelitis, petit chorea and acute encephalitis; 18 normal children were used as controls. In the control group the ascorbic acid (I) content in the cerebrospinal fluid (CSF) was 1.40-2.95 mg. %, with an av. of 2.20 mg. %, and in the blood 0.625-1.473 mg. %, with an av. of 0.895 mg. %. In the acute stage of poliomyelitis a reduction in the content of I was observed in the CSF of all patients; it was 0.194-1.072 mg. % with an av. of 0.428 mg. %. During the subacute stage of the disease the I in the blood was 0.131-0.543 with an av. of 0.234 mg. %. The greater the disease the greater was the reduction in the level of I. In the early period of recovery the I in the CSF was 0.512-2.794, av. 1.519 mg. %, in the blood I was 0.363-1.215, av. 0.744 mg. %. In the later stages of the period of recovery the av. level of I in CSF was 1.843 mg. %; no substantial change was observed in the level of I in the blood. Data from another group of patients are analyzed in a similar manner. In the acute stage of the neuroinfection there is a deficiency of I the degree of which is proportional to the gravity of the disease and to the depth of the pathology. During convalescence I rises to a high level in all the cases studied, but in a year did it attain the level in the controls. — R. M. Pratusevich

PRATUSEVICH, R.M.

KRASNOGORSKIY, N.N.; PRATUSEVICH, R.M.; IVANOVA, M.A.; KUROVA, O.V.;
SLOBODZHINSKAYA, T.S.

Characteristics of unconditioned radiating reflexes in acute
poliomyelitis in children. Pediatrīa no.1:58-65 Ja-F '54.
(MLRA 7:3)

1. Iz otdela fiziologii i patofiziologii vysshey nervnoy deyatel'-
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meditsinskikh nauk SSSR i nervnoy kliniki Nauchno-issledovatel'-
skogo pediatriceskogo instituta. (Poliomyelitis) (Reflexes)

PRATUSEVICH, R.M. (Leningrad)

Course of acute poliomyelitis. Vop. okh. mat. i det. 1 no.1:10-14
Ja. F '56. (MIRA 9:9)

1. Iz nauchno-issledovatel'skogo pediatriceskogo instituta (dir.-
prof. A.L.Libov)
(POLIOMYELITIS)

KRYSHOVA, N.A., professor; PRATUSEVICH, R.M.

Work of the diagnostic department in the poliomyelitis hospital.
Vop. okh. mat. i det. 1 no.1:52-56 Ja-F '56. (MLB 9:9)

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(POLIOMYELITIS)

Pratusevich R.M.

AUTHOR: KAMINSKAYA,W.W., PRATUSEVICH,R.M. PA - 3609
TITLE: The Portal Assembly of Vertical Parallel Planing and Parallel
Milling Machines. (Komponovka portalov karusel'nykh, prodrolo-stro-
galnykh i prodolno-frezernykh stankov, Russian)
PERIODICAL: Stanki i Instrument, 1957, Vol 28, Nr 6, pp 1 - 4 (U.S.S.R.)

ABSTRACT: The selection of a rational variety of a portal assembly is determined by the rigidity of constructions, their technological properties, and by the production possibilities of the plants by which these machines are to be produced, etc. In this paper a method of calculation is recommended which makes it possible to estimate the influence exercised by the construction of stands with an upper cross beam and fundaments.

Furthermore, certain considerations are mentioned which follow from the calculation of such modern machines. A detailed calculation of the aforementioned influences is carried out on the basis of various conditions, and 3 varieties of assembling the stands with an upper crossbeam are mentioned. In conclusion, it is recommended to cast the stand with crossbeam in one piece, on which occasion particular attention should be devoted to the connection between the stand and the fundament. (3 Slavic references)

Card 1/2

PA - 3609

The Portal Assembly of Vertical Parallel Planing and Parallel
Milling Machines.

ASSOCIATION: Not given

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SUBMITTED:

AVAILABLE: Library of Congress

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EXCERPTA MEDICA Sec 4 Vol 12/11 Med. Micro. Nov 59

3752. VIROLOGICAL CHARACTERISTICS OF SOME CLINICAL FORMS OF
POLIOMYELITIS (Russian text) - Rodshtein O. A. and Pratusevich
R. M. - VOPR. VIRUSOL. 1959, 2 (189-194) Graphs 2 Tables 4

Type 1 poliomyelitis virus was predominant in Leningrad from May, 1956 to December, 1957. The proportion of type 2 and 3 polioviruses varied even within this period. In the last quarter of 1957, 34% of poliomyelitis cases were caused by type 2 virus. The diagnosis of poliomyelitis was confirmed virologically in 47% of cases in patients with spinal form of the disease, and in 34.8% of cases in patients with non-paralytic poliomyelitis. In children under 3 with 'pontine' form of poliomyelitis the diagnosis was confirmed virologically in 65% of cases. As distinct from that, poliomyelitis virus was isolated only in 4.8% of cases in children aged 4-15 yr., whose illness ran a mild course with ill-defined symptoms. To determine the aetiology of facial paresis in older children a serological investigation of paired sera and virological investigation of throat washings are necessary in addition to careful clinical examination. Virological surveys may reveal a number of abortive and atypical forms of poliomyelitis among patients with other diagnoses. Non-typable strains were recovered in 7% of cases from patients with confirmed diagnosis 'poliomyelitis' as well as from patients with other diagnoses.

(L. 4)

CHARTERED AIRLINES, INC., NEW YORK CITY, NEW YORK, N.Y.

RECEIVED INFORMATION CONCERNING Virological data on polio-
virus antibody titer in following vaccination (140-
141). (cont'd) (cont'd) (cont'd) (cont'd) 2619-27 '64.
(MIR 18-12)

PRATUSEVICH, R.M.; ZUYEVA, M.Ya.; KUTINA, L.S., MAYOROVA, I.P.;
RODSHTEYN, O.A.; CHERNOVA, E.A.

Data for the study of the epidemic outbreak of serous meningitis
in Monchegorsk in Murmansk Province during 1960. Trudy Len.
inst. epid. i mikrobiol 26:199-210 '64. (MIRA 18:12)

1. Iz Nauchno-issledovatel'skogo instituta detskih infektsiy,
Instituta epidemiologii i mikrobiologii imeni Pastera, Leningrad
i Gorodskoy bol'nitsy goroda Monchegorska.

PRATUSEVICH, R.M.

Effect of the grinding of transient tooth profile of case
hardened gear wheels on their strength. Stan. i instr. 36
no.10:11-12 0 '65. (MIRA 18:11)

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i instr. 36 no.5:12-15 My '65. (MIR 16:5)

PRATUSEVICH, R.M.; RESHETOV, D.N.

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i instru. 36 no.1:22-25 Ja '65.

(MIRA 18:4)

PRATUSEVICH, R.M.

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(MIRA 16:10)
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Data on the virological characteristics of isolated facial pareses. Trudy Len.inst.epid.i mikrobiol. 19:141-149 '59.
(MIRA 16:2)

1. Iz laboratorii poliomiyelita (rukovoditel' Kh.S. Kotlyarova)
Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny
imeni Pastera i kliniki poliomiyelita (rukovoditel' R.M. Pratusevich) Leningradskogo GNIPI.
(PARALYSIS, FACIAL) (POLIOMYELITIS VIRUSES)

PRATUSEVICH, R. M.

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and durability. Stan. i instr. 33 no.10:17-20 0 '62.
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Clinical virological characteristics of isolated paresis of
the musculature of facial expression. Zhur. nevr. i psikh.
61 no.7:973-978 '61. (MIRA 15:6)

1. Nauchno-issledovatel'skiy pediatricheskiy institut
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(POLIOMYELITIS) (PARALYSIS, FACIAL)